

SECTION VI.—BIBLIOGRAPHY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological and seismological work and studies.

Blanco Juste, Rafael.

Elementos de física y nociones de meteorología. 5 ed. Madrid. 1915. 325, [2] p. 22 cm.

Bollo, Luis Cincinato.

Climatología Platense. Montevideo. 1916. 32 p. 19½ cm. (De la 6^a edición de la Geografía física de L. C. Bollo.)

Committee for the investigation of atmospheric pollution. London, 1912. First report, presenting the results obtained for the year April, 1914, to March, 1915. London. [1916.] xl p. 28 cm. (Reprinted from the Lancet, Feb. 26, 1916.)

Gray, Richard W.

Summer temperatures at Miami. (In the Tropic magazine, Miami, Fla. Sept., 1916. v. 4, p. 153-160. 27 cm.)

Hildebrandsson, H[ugo] Hildebrand.

Sur le prétdenu changement du climat Européen en temps historique. Upsala. 1915. 31 p. 3 pl. 29 cm. (Nova acta Reg. soc. sci. Upsaliensis, ser. iv, v. 4, n. 5.) [See this REVIEW, June, 1916, 44:344.]

Hubbard, Arthur John, & Hubbard, George.

Neolithic dew-ponds and cattle-ways. 3d ed. London, etc. 1916. xxiv, 115 p. (incl. plates). 25½ cm.

Huntington, Ellsworth.

Prediction of climatic variations. (In the American museum journal, New York. Feb., 1916. v. 16, p. 96-103. 25 cm.)

Mascart, Jean.

Esquisse sur le raccordement climatologique des Départements du Rhône et de la Loire. [Lyon. 1916.] 11 p. 24 cm.

Mercanton, P.-L.

Les variations périodiques des glaciers des Alpes suisses. 35^{me} et 36^{me} rapports. 1914 et 1915. Berne. 1916. p. 237-256. plate. 26½ cm. (Extrait de l'Annuaire du S. A. C., 50^{me} année.)

Radcliffe observatory, Oxford.

Results of meteorological observations in the five years 1911-1915, also of underground temperatures, 1898-1910. v. 51. Oxford, etc. 1916. xv, 215 p. 25½ cm.

Ramsay, William.

The gases of the atmosphere. The history of their discovery. 4th ed. London. 1915. xiii, 306 p. plates. 20½ cm.

[Reed, William Gardner.]

Elementary meteorology. Geography 1B. Berkeley. 1914. 37 p. 21 cm. (University of California, syllabus series, no. 46.)

Stewart, Charles.

Meteorological data of Spokane, Washington, for 34 years, 1882-1915. (In 24th annual report of the Health & sanitation dept., city of Spokane, for the year ending Dec. 31, 1915. p. 34-38. 24 cm.)

Strahan, Aubrey, & others.

The investigation of rivers. Final report. London. 1916. 2 p. l. 93 p. 9 pl. 24½ cm. (Royal geographical society. Special publication.) (Results of "an examination of certain rivers in England and Wales." Includes statistics of discharge and rainfall.)

Tippenhauer, L. G.

Die elektromagnetische Theorie des Wetters. 4. Teil: Die ersten Prinzipien einer astronomischen Berechnung des Wetters. Port-au-Prince. 1916. v. p. plates. tables. 31 cm.

Venice. Ufficio idrografico.

Norme ed istruzioni per il Servizio meteorologico. (Edizione provvisoria.) Venezia. 1916. 61 p. plates. 26 cm. (Pubblicazione n. 53, parte 1^a (testo).)

RECENT PAPERS BEARING ON METEOROLOGY AND SEISMOLOGY.

C. FITZHUGH TALMAN, Professor in Charge of Library.

The subjoined titles have been selected from the contents of the periodicals and serials recently received in the library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau.

Cairo scientific journal. Alexandria. v. 3. December, 1914.

Birkeland, Kn. On a possible method of photographically registering the intensity of the ultraviolet light from the sun and stars. p. 287-294.

Geographical review. New York. v. 2. October, 1916.

Brooks, Charles F. World-wide changes of temperature. p. 249-255.

Indian meteorological department. Memoirs. Simla. v. 21. pt. 14.

Jacob, S. M. Correlation of rainfall and the succeeding crops, with special reference to the Punjab. p. 131-146.

Royal meteorological society. Quarterly journal. London. v. 42. July, 1916.

Shaw, Napier. The meteorology of the globe in 1911. p. 137-152. *Newnham, E. V.* The persistence of wet and dry weather. p. 153-162. [See this REVIEW, July 1916, p. 393.]

Turner, H. H. Discontinuities in meteorological phenomena. Second note. p. 163-173.

Marriott, William. Luke Howard's meteorological journals. p. 175-180.

Hall, Maxwell. West Indian cyclones and the local wind. p. 183-189.

Mr. C. F. Casella. p. 191-192. [Obituary.]

Scientific American. New York. v. 115. 1916. *Frederick, K. P.* Can we put the sun to work? p. 329; 336. (Oct. 7.)

A device which automatically regulates the moisture in the air. p. 355. (Oct. 14.)

Scientific American supplement. New York. v. 82. October 28, 1916.

McAdie, Alexander. Thermometer scales. p. 232.

Archives des sciences physiques et naturelles. Genève. t. 42. 1916.

Gruner, Paul. Nouvelles remarques concernant les lueurs crépusculaires du ciel. p. 32-46. (15 juillet.)

Schwoerer, E. Nouvelles recherches sur la détermination de la constante solaire. p. 119-122. (15 août.)

Horwitz, L. Sur la variabilité absolue de la température annuelle en Suisse. p. 153-154. (15 août.)

Nature. Paris. 44 année. 1916.

Paresce, René. Une nouvelle méthode de prévision du temps. p. 197-199. (23 sept.) [Describes F. Vercelli's method of analyzing atmospheric waves.]

Bretton, A. Nouvelle hygromètre à condensation. p. 237-238. (7 oct.) [Describes hygrometer devised by Ch. Margot.]

Weltall. Berlin. 14. Jahrg. 1. und 2. Augustheft. 1914.

L. Die Gestalt fallender Tropfen. p. 342.

Hebel in dampfkring. Den Haag. 14 jaarg. 1916.

Cannegieter, H. G. Temperatuur, luchtdruk en wind in de hogeere dampkringslagen. p. 54-56; 72-78. (Aug. & Sept.)

Pontificia accademia romana dei Nuovi Lincei. Atti. Roma. anno 69. 1915-1916.

Galli, Ignazio. Fulmini globulari nell'anno 1915. Nota 14. p. 59-72.

Galli, Ignazio. La pioggia straordinaria degli anni 1914 e 1915. p. 79-86.

Reale Accademia dei Lincei. Atti. Roma. v. 25. 2 sem. no. 1. 1916.

Oddone, Emilio. Per la teoria della dispersione sismica. p. 35-41.

Secretaria da agricultura, Comercio e obras publicas. Boletim. São Paulo. sér. 17. Abril-Maio 1916.

Mattox, José Rangel Belfort de. Resumo de instruções meteorológicas. p. 368-384.